

Title (en)  
METHODS AND APPARATUS FOR SEGREGATION OF PARTICLES

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR TRENNUNG VON PARTIKELN

Title (fr)  
PROCÉDÉS ET APPAREIL POUR LA SÉGRÉGATION DE PARTICULES

Publication  
**EP 2427568 A4 20150610 (EN)**

Application  
**EP 09733752 A 20090417**

Priority

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- US 12516808 P 20080423

Abstract (en)  
[origin: WO2009131645A2] The disclosure relates to an apparatus for segregating particles on the basis of their ability to flow through a stepped passageway. At least some of the particles are accommodated in a passage bounded by a first step, but at least some of the particles are unable to pass through a narrower passage bounded by a second step, resulting in segregation of the particles. The apparatus and methods described herein can be used to segregate particles of a wide variety of types. By way of example, they can be used to segregate fetal-like cells from a maternal blood sample.

IPC 8 full level  
**C12Q 1/24** (2006.01); **B01L 3/00** (2006.01); **G01N 15/02** (2006.01); **G01N 33/49** (2006.01)

CPC (source: EP US)  
**B01L 3/502715** (2013.01 - US); **B01L 3/502753** (2013.01 - EP US); **G01N 33/491** (2013.01 - EP US); **B01L 2200/0652** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2400/086** (2013.01 - EP US)

Citation (search report)

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- [Y] US 2007172903 A1 20070726 - TONER MEHMET [US], et al
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Citation (examination)  
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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**US 2009002421 W 20090417**; CA 2722396 A 20090417; CN 200980121796 A 20090417; EP 09733752 A 20090417; JP 2011506260 A 20090417; JP 2015106895 A 20150527; JP 2016233503 A 20161130; US 201715586981 A 20170504; US 201815870381 A 20180112; US 91029910 A 20101022